
PERSUAP Basics

A tool for addressing Regulation 216 Requirements
Using a Systems Thinking Approach to Pesticides
in a Given Country/Program

Module Objective:

Trainees know and explain PERSUAP basics



Overview: Risk Reduction

- Pesticide risk (human health, environment)
- Systems thinking approach to pesticides
- From import to disposal, where are risks?
- How much risk is there at the farm?
- How does the risk impact AID, Partners?
- How do we mitigate or reduce these risks?
- Make a plan to mitigate risks!



After this presentation, you should understand:

- How to include the requirement for the PERSUAP in the RFP
- How to screen competitors for the best environmental compliance understanding
- How to write a SOW for a PERSUAP
- How to monitor a project for pesticides best management practices & compliance



PER=

- Pesticide Evaluation Report
- Addresses pesticides in a country using a systems approach as a backdrop to understand critical pesticide issues & risks
- Look at import through disposal—or pesticide lifecycle issues—to verify risks
- And, knowing risks better, addresses Reg 216 Critical 12 Pesticides Issues



SUAP=

- Safer Use Action Plan
- But it really is a set of Safer Use recommendations that are....
- Put into Action Plans by the *Implementer* to reduce risk and enhance safety
- Completed Action Plans can be sent to USAID as mitigation activity monitoring tools



How does one begin a PERSUAP?

- Have a good solid background in entomology, plant pathology, weeds, IPM, and pesticide toxicology
- Knowledge of agronomy and soils is useful
- Knowledge of biological controls is useful
- If pest plagues exist, have a background in plague response management



Understand the project well

Get from the project (and/or do research):

- All of the crops/animals to be produced
- All of the pests anticipated for each crop
- The GAP & IPM measures anticipated
- The pesticides that the project requests for each crop/pest with use features (choice & rates of use decisions, costs, MSDSs, safety equipment, application equipment)



Do country regulations exist?

- For permissible pesticides
- For banned pesticides
- For pesticide import
- For pesticide quality
- For pesticide storage, transport, use, & disposal



What is the pesticide registration process in the country?

- Is it harmonized with other systems?
- How long does it take?
- How much does it cost?
- Is a functioning test lab available?



Are country regulations enforced?

- Do pesticide/inputs shops have “not permitted” and/or banned products?
- Does the local small or open market have “not permitted” or banned products?
- Are the borders leaky to low quality products?



Does good poison control medical care system exist?

- Is there a history of pesticide poisonings?
- Are there poison control centers?
- Are antidotes available and understood?
- Are blood test kits available and understood



Who are major manufacturers, importers, distributors, retail sector?

- Do lists of imported products match permitted lists?
- Do distributors have codes of conduct?
- Are products being made in country?



What types of application and PPE available and affordable in shops?

- Types & costs of sprayers
- Other application equipment & costs
- Gloves, Respirators
- Goggles, Boots
- Tyvec Outfits



Use Rates for PPE

- Once PPE is available & affordable, will farmers use it?
- If not, why not?
- How can certification systems improve use rates?



Proper Use of PPE

- Proud Georgian potato farmer with dust mask
- Does the dust mask protect from volatile organic pesticides?
- And, just what is that little hole in the mask for?



Remember Pesticide Safety!

- How do farmers handle hygiene in the field?
- No smoking, eating or drinking until wash-up is complete...
- And no smoking while applying pesticides!



How are pesticides packaged and labeled?

- Are containers in good condition?
- Are labels in good condition?
- Are labels in local language?
- Do labels have safety information?



Are Good Storage Practices followed by shops?

- Are pesticides available in proper amounts?
- Are pesticides subdivided to smaller containers without labels?
- Are pesticides sold in soda bottles?



Are Good Management Practices followed by shops?

- Are proper fire extinguishers present?
- Are phone numbers for emergency services visible near the phone?
- Is the shop neat, clean (see/smell pesticides) and well organized?



Knowledge of shop keepers?

- Provide useful advice on pests and control?
- Know their products well?
- Have access to MSDSs for each product they sell?
- Know first aid for poisoning?



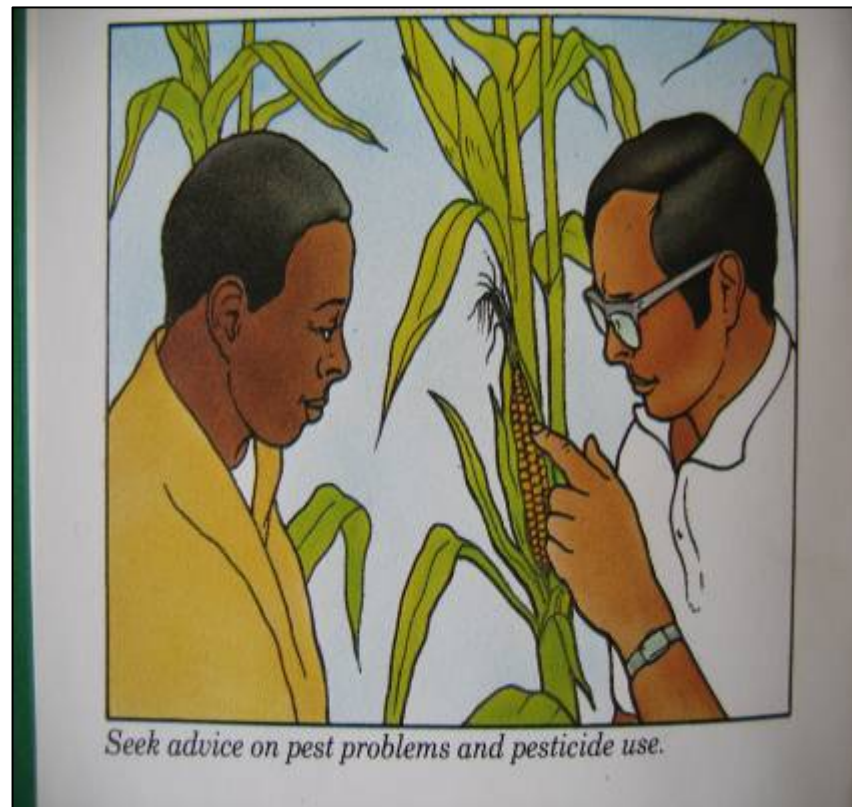
Literature (flyers, posters) available on pesticide safe use

- Pest & Pesticide posters and flyers?
- Does an extension service have these?
- Do farmers, co-ops have these materials?
- Are these materials available on farms?
- Are they useful?



Is there an effective extension service in the country?

- Do training for at-risk farmers?
- Extend IPM technologies?
- Have resources to visit farmers often?
- Do on-farm demonstration trials?



How is the MOA organized and funded?

- Do effective field pesticide testing and adaptation?
- Perform field trials to adapt IPM technologies?
- Understand major pesticides used well?
- Promote PPE use?



Standards & Certification Present in the Country

- Check for organic & fair trade certification of products from country
- Check for standards & certification schemes used
- Check for foreign markets targeted & served



Ministry of Environment

- Identify project locations on a map
- Identify protected areas & endangered species ranges on a map
- Check environmental protection of sensitive areas & species (use of buffer zones, etc)



Observe farmer's behavior in the field

- Have safe & secure places to store pesticides
- Have and use PPE?
- Understand all the risks well?
- Practice safe use?



PERSUAP Wrap-Up

- Risk identification, relative severity, targeting for mitigation,
- Resource allocation, and risk reduction
- Prevent risk by choices made
- Training, GAP/IPM, lower-impact pesticides, PPE proper use
- Target and treat risk by planning, mitigation & record-keeping/reporting



Group Exercise | Divide into Two Groups

Group 1: MEO/CTO

- Write PERSUAP requirements anticipated for Project Umbrella IEE and RFP
- List and Prioritize Key PERSUAP Recommendations Expected

Group 2: COP/DCOP

- Write pesticide compliance into the Proposal
- Write a SOW for a PERSUAP
- Write an Action Plan for implementing 3 Key PERSUAP recommendations

